

FIG. 1

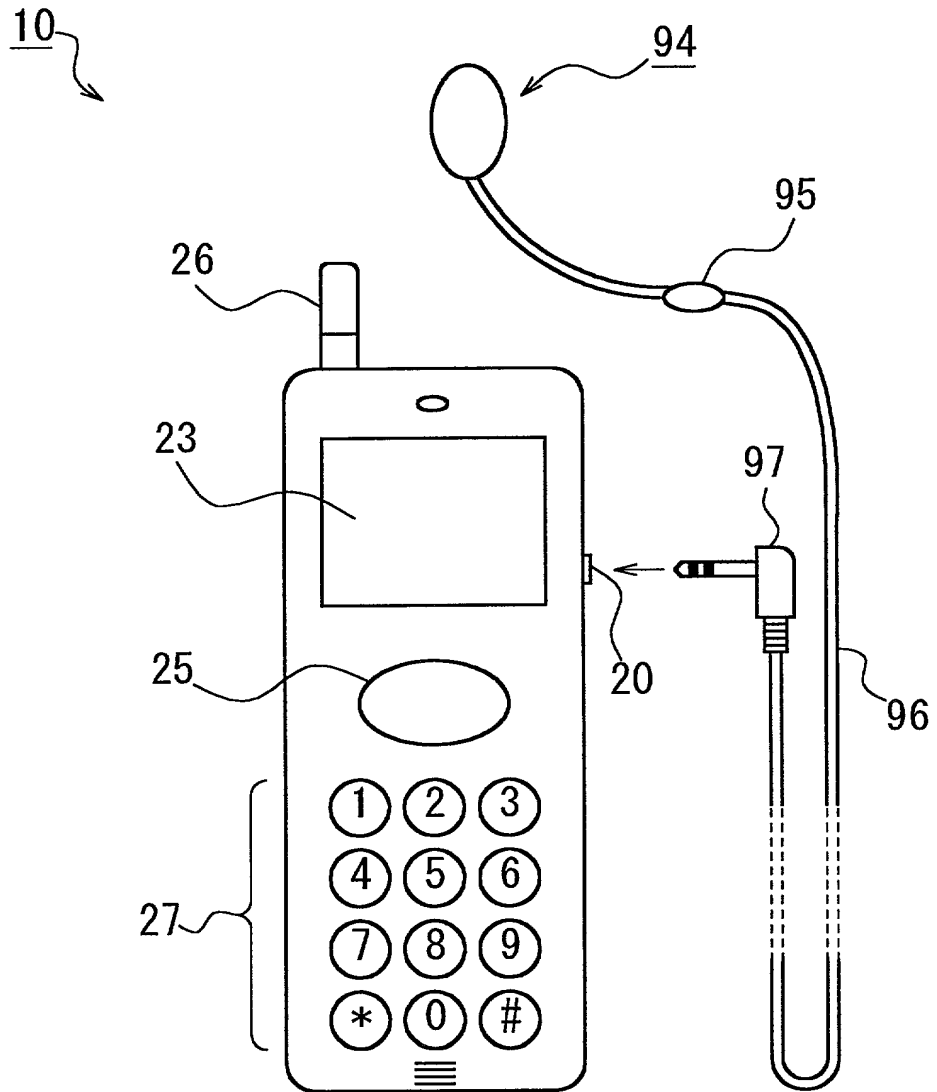


FIG. 4

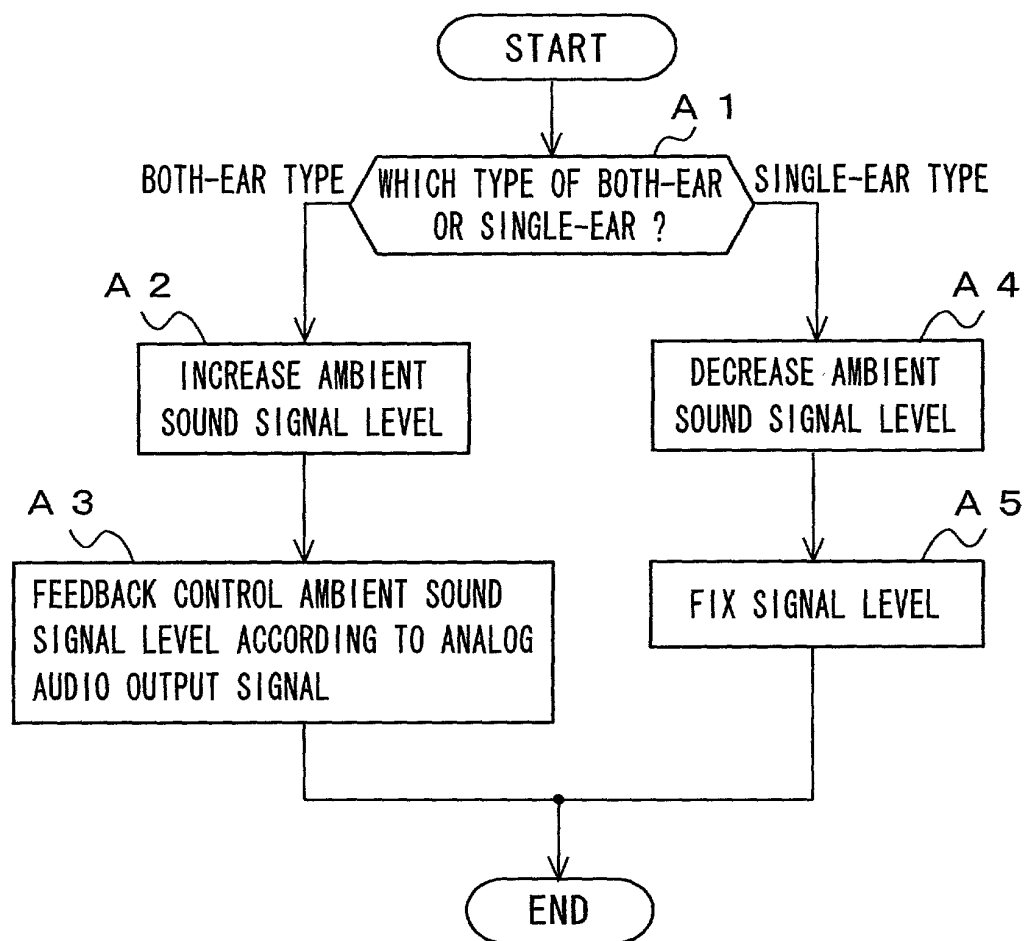


FIG. 5

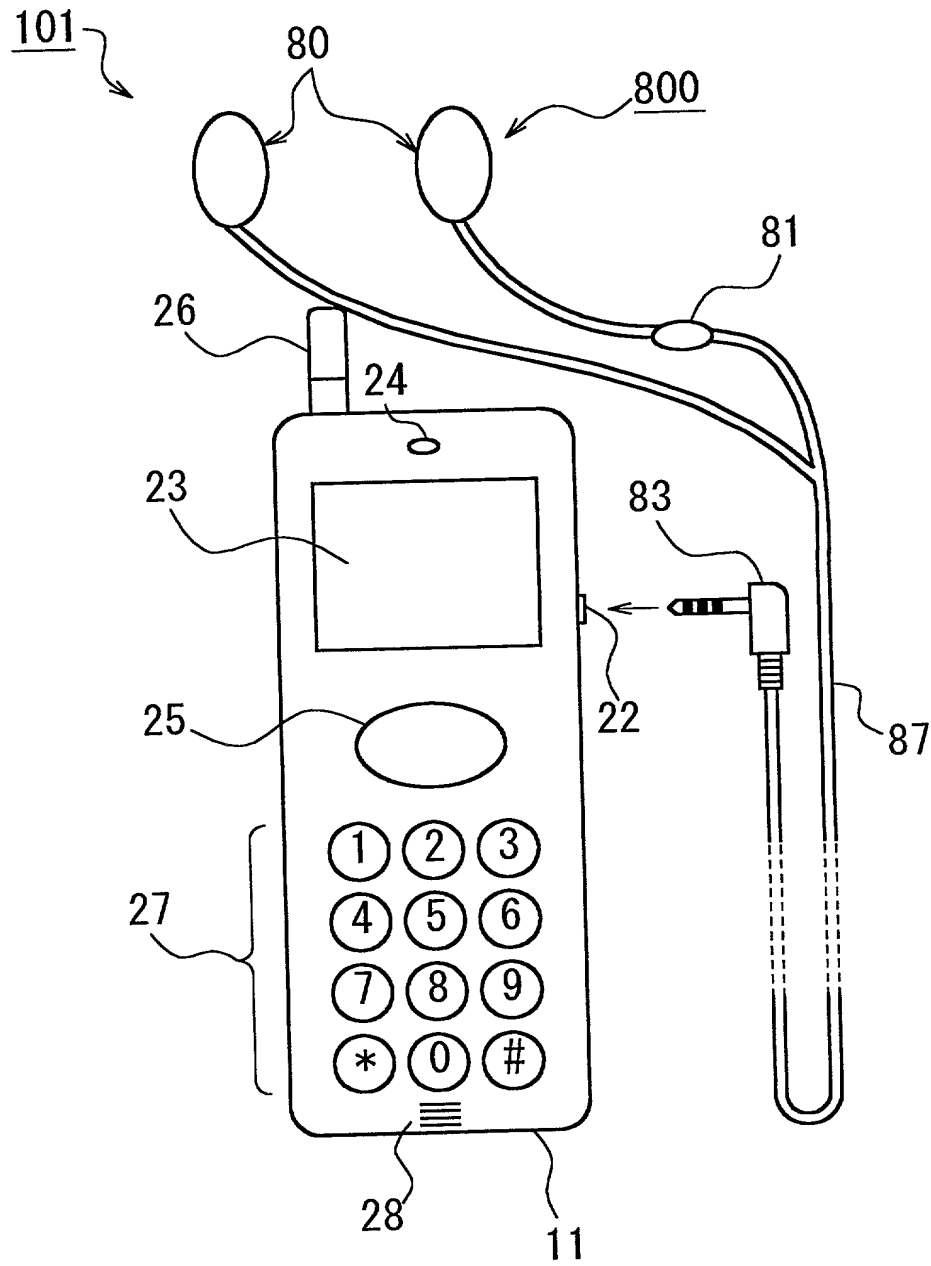


FIG. 6

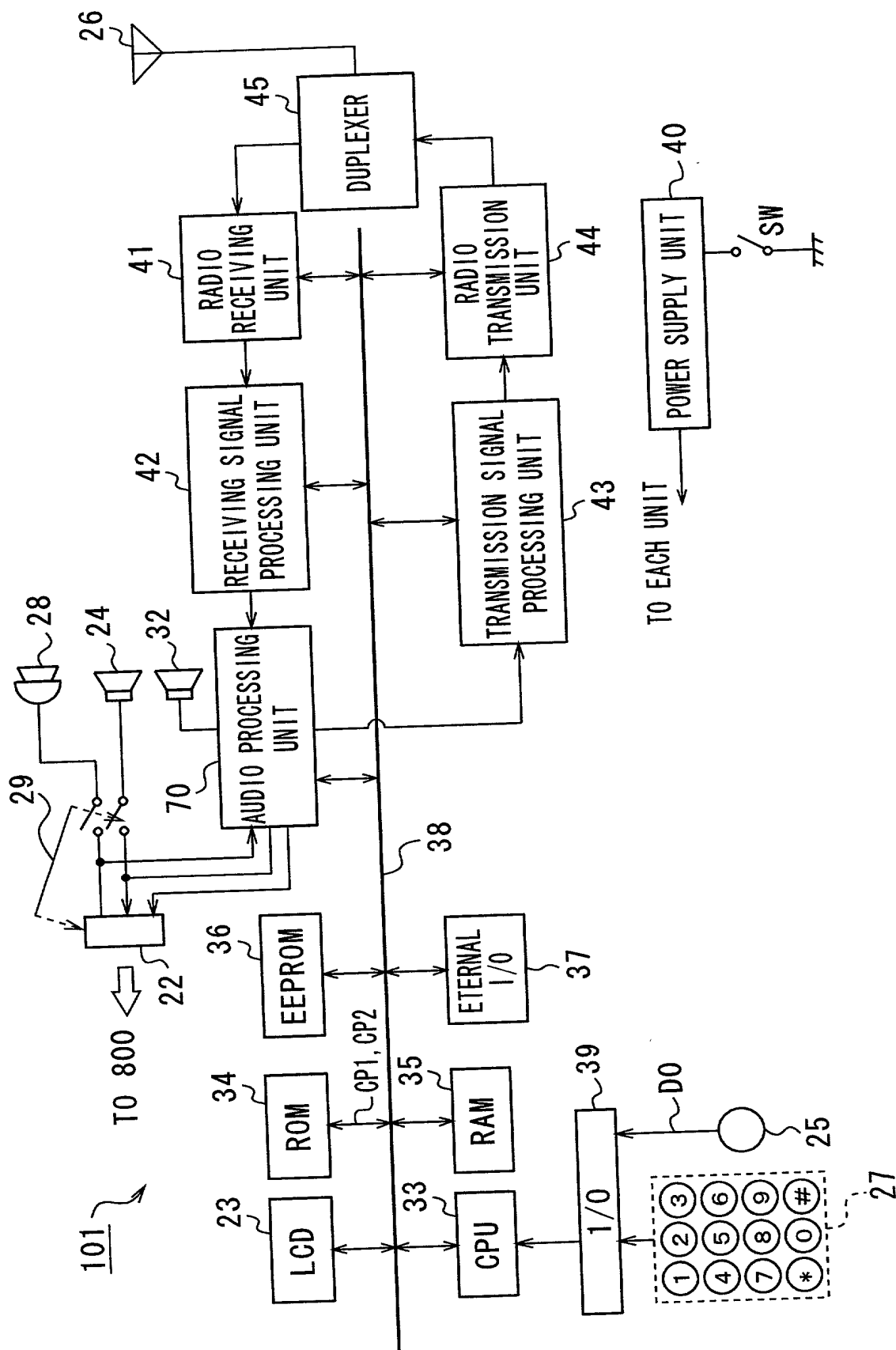


FIG. 7

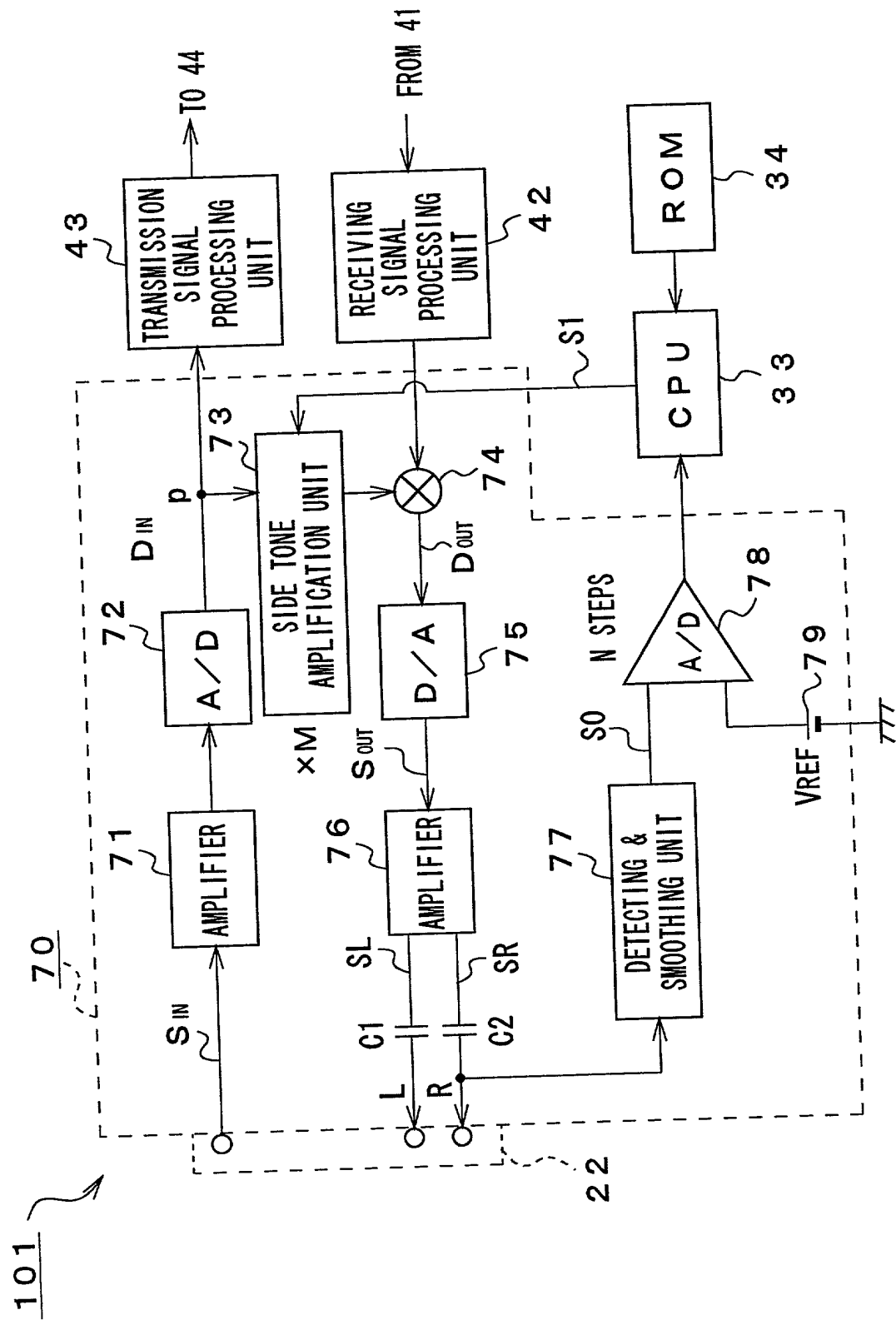


FIG. 8A

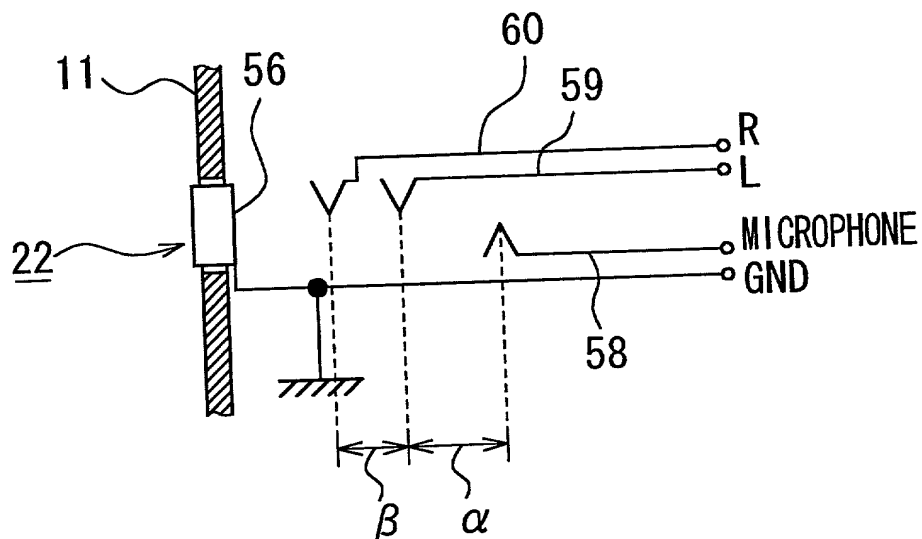


FIG. 8B

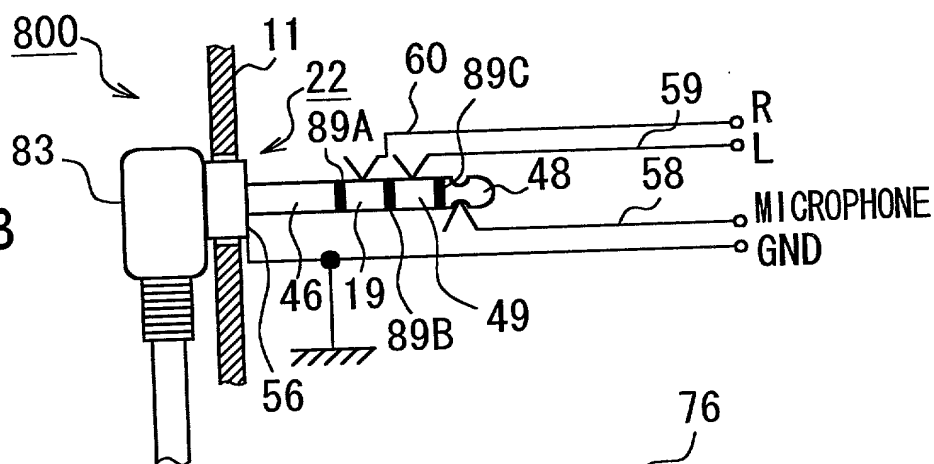
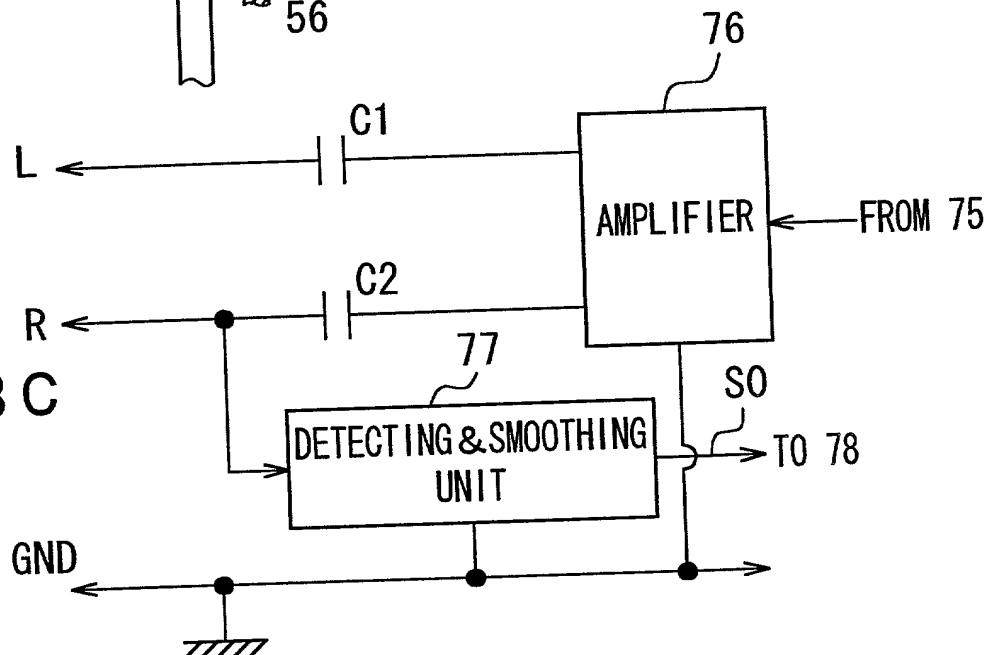


FIG. 8C



[illegible]

SETTING	THRESHOLD RANGE	
1 1 1 1 1 1 1 1	2 5 5	MAX
1 1 0 1 1 1 1 1	2 2 3	
1 0 1 1 1 1 1 1	1 9 1	
1 0 0 1 1 1 1 1	1 5 9	
0 1 1 1 1 1 1 1	1 2 7	
0 1 0 1 1 1 1 1	9 5	
0 0 1 1 1 1 1 1	6 3	
0 0 0 1 1 1 1 1	3 1	
0 0 0 0 0 0 0 0	0	MIN

FIG. 10A

FIG. 10A is a cross-sectional view of a microphone assembly. A microphone element (22) is mounted on a substrate (11). A protective cap (97) is positioned over the microphone element. A flexible printed circuit (FPC) (60) is connected to the microphone element and carries signal lines (58, 59) and a ground line (GND). The FPC is secured by a solder joint (48') and a solder bump (49'). The microphone element is also connected to a ground line (56). The signal lines are labeled R and L.

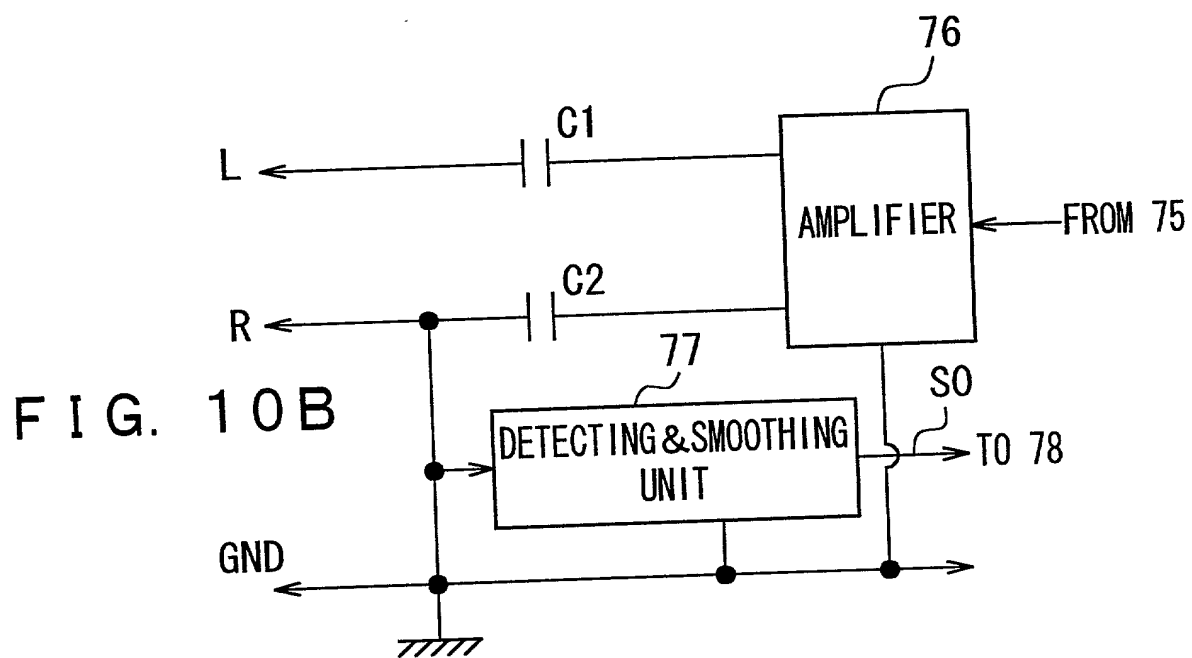


FIG. 11

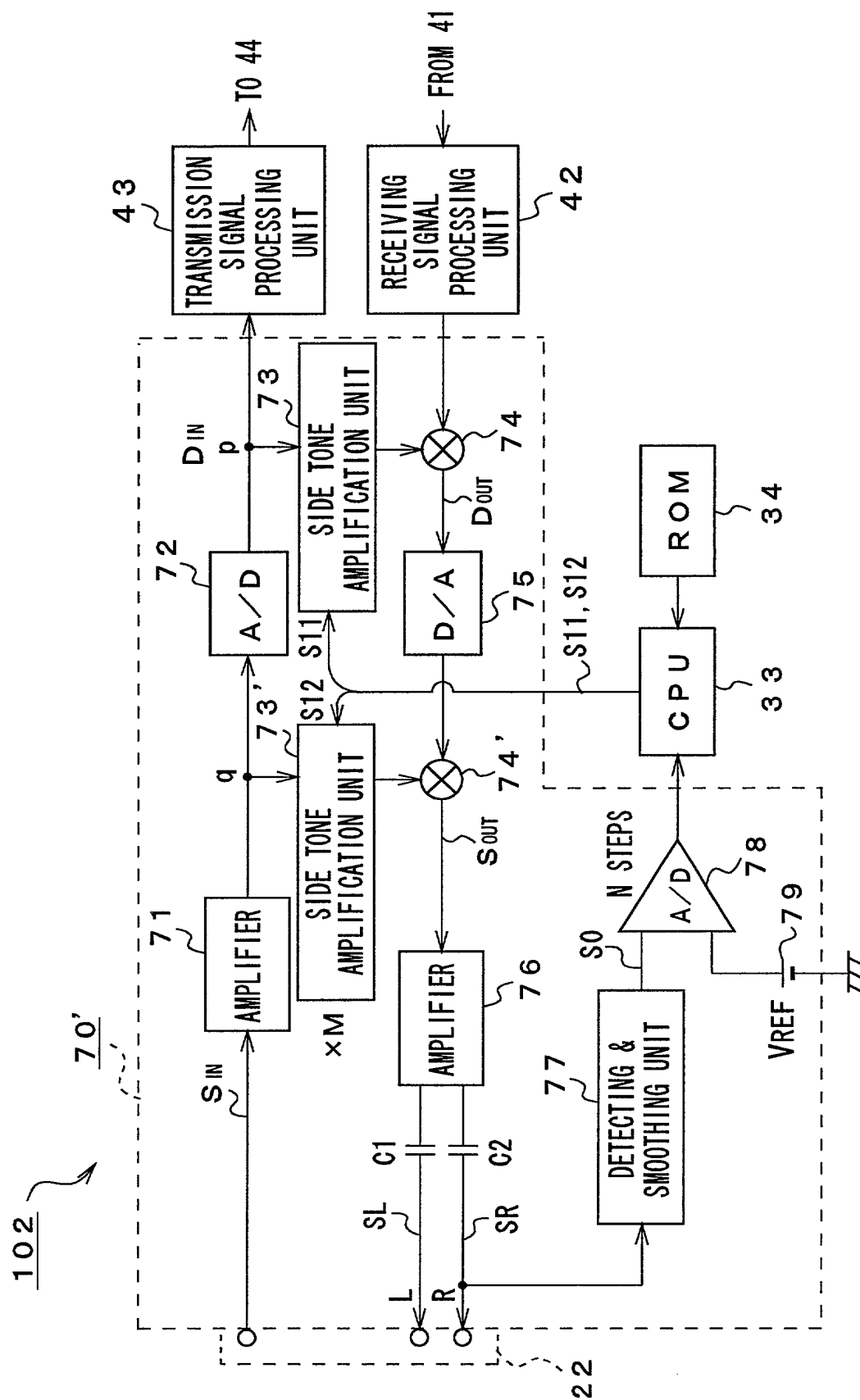


FIG. 12

